



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Small Airplane Directorate  
Atlanta Aircraft Certification Office  
One Crown Center  
1895 Phoenix Boulevard, Suite 450  
Atlanta, Georgia 30349

**JUL 24 2006**

Mr. Markus Steinberg  
Thielert Aircraft Engines GmbH  
D-09350 Lichtenstein  
Germany

Dear Mr. Steinberg:

We have completed our evaluation of your Supplemental Type Certificate (STC) project, FAA Project Number ST7260AT-A, and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed STC No. SA03303AT, which indicates our approval of the Installation of a Thielert Aircraft Engines model TAE 125-01 Aircraft Diesel Engine and MT-Propeller Model MTV-6-A-187/129 propeller in Piper Model PA-28-161 airplanes.

This STC is official Federal Aviation Administration (FAA) approval of your modification and may be used to authorize identical modifications on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulation (FAR) 21.47. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission. You are required to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

As recipient of this approval, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR 21.3(c). The report should be communicated initially by telephone to the Manager, Atlanta Aircraft Certification Office, telephone number (770)-703-6035, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Certification Office, at the above address is required. FAA Form 8010-4 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.

If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of FAR 21.303(d) when you submit a statement certifying you have established the fabrication inspection system as required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with reference to STC SA03303AT, and should be addressed to the Federal Aviation Administration, Atlanta Manufacturing Inspection District Office (MIDO), One Crown Center, 1895 Phoenix Blvd., Suite 225, Atlanta, GA 30349, telephone (770) 703-6100.

Sincerely,

A handwritten signature in black ink, reading "Christina Marsh". The signature is fluid and cursive, with the first name "Christina" and last name "Marsh" clearly legible.

Christina Marsh  
Branch Manager, ACE-118A  
Atlanta Aircraft Certification Office

Enclosure(s)

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA03303AT

*This certificate issued to* Thielert Aircraft Engines GmbH  
Platanenstraße 14  
D-09350 Lichtenstein  
Germany

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 21.29 of the Federal Aviation Regulations.*

*Original Product - Type Certificate Number :* 2A13  
*Make :* Piper  
*Model :* PA-28-161

*Description of Type Design Change:* Installation of Thielert Aircraft Engines (TAE) Aircraft Diesel Engine model TAE 125-01 and MT-Propeller model MTV-6-A-187/129 propeller and other minor modifications in accordance with TAE Installation Manual TAE 125-01, IM-02-01, Revision 3, dated November 10, 2004, or later FAA Approved revision.

*Limitations and Conditions:* "Instructions for Continued Airworthiness", TAE Airplane Maintenance Manual Supplement, Piper PA28/TAE 125-01, AMM-40-01 (US-Version), Rev. Issue 1, dated February 3, 2006, and TAE Pilot's Operating Handbook and FAA Approved Airplane Flight Manual for the Piper PA 28-161 Equipped with TAE 125 installation, or later FAA Approved revisions of either document are a required part of this STC. "This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission."

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application :* February 11, 2002

*Date reissued :*

*Date of issuance :* July 24, 2006

*Date amended :*



*By direction of the Administrator*

*Christina L. Marsh*  
(Signature)

*for* Melvin D. Taylor  
Manager  
Atlanta Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.